

# Dry Pasta Manufacturing: 2002

Issued September 2004

EC02-311-311823

## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
311823, Dry pasta manufacturing . . . . . 2002..	182	193	3 702	137 740	2 853	5 941	93 445	632 211	881 707	1 495 107	71 051
2001..	N	N	4 646	128 781	3 504	7 000	81 869	519 305	733 848	1 236 733	77 795
2000..	N	N	4 315	116 304	3 286	6 339	74 168	561 535	615 101	1 177 286	51 700
1999..	N	N	4 457	113 604	3 500	6 443	74 023	610 670	582 213	1 208 419	118 544
1998..	N	N	5 426	148 334	4 336	8 355	103 434	859 709	612 575	1 456 691	31 697
1997..	249	266	6 063	174 460	4 666	9 368	115 829	1 045 298	715 840	1 766 528	43 051

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments <sup>2</sup>			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
311823, Dry pasta manufacturing												
United States .....	3	193	31	3 702	137 740	2 853	5 941	93 445	632 211	881 707	1 495 107	71 051
California .....	2	35	6	411	13 705	320	568	9 279	51 092	59 582	109 478	2 071
Illinois .....	1	11	1	359	14 669	288	609	10 377	72 678	74 775	138 513	4 522
Missouri .....	4	4	3	666	24 570	525	1 169	16 692	102 727	170 291	268 993	8 754
Pennsylvania .....	9	12	3	142	5 052	104	229	3 620	16 640	22 417	39 017	1 862
Texas .....	9	9	1	245	9 176	184	403	6 486	39 960	48 764	88 724	4 671

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>311823, Dry pasta manufacturing</b>	
Companies <sup>1</sup> .....	number.. 182
All establishments <sup>2</sup> .....	number.. 193
Establishments with 1 to 19 employees .....	number.. 162
Establishments with 20 to 99 employees .....	number.. 23
Establishments with 100 employees or more .....	number.. 8
All employees <sup>3</sup> .....	number.. 3 702
Total compensation .....	\$1,000.. 175 589
Annual payroll .....	\$1,000.. 137 740
Total fringe benefits .....	\$1,000.. 37 849
Production workers, average for year .....	number.. 2 853
Production workers on March 12 .....	number.. 2 877
Production workers on May 12 .....	number.. 2 874
Production workers on August 12 .....	number.. 2 848
Production workers on November 12 .....	number.. 2 808
Production worker hours .....	1,000.. 5 941
Production worker wages .....	\$1,000.. 93 445
Total cost of materials .....	\$1,000.. 881 707
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 840 185
Resales .....	\$1,000.. D
Purchased fuels .....	\$1,000.. D
Purchased electricity .....	\$1,000.. 16 476
Contract work .....	\$1,000.. 1 848
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 307 007
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 4
Total value of shipments .....	\$1,000.. 1 495 107
Primary products value of shipments .....	\$1,000.. 1 423 540
Secondary products value of shipments .....	\$1,000.. D
Total miscellaneous receipts .....	\$1,000.. D
Value of resales .....	\$1,000.. D
Contract receipts .....	\$1,000.. -
Other miscellaneous receipts .....	\$1,000.. -
Primary products specialization ratio .....	percent.. D
Value of primary products shipments made in all industries .....	\$1,000.. 1 748 520
Value of primary products shipments made in this industry .....	\$1,000.. 1 423 540
Value of primary products shipments made in other industries .....	\$1,000.. 324 980
Coverage ratio .....	percent.. 81
Value added .....	\$1,000.. 632 211
Total inventories, beginning of year .....	\$1,000.. 122 485
Finished goods inventories .....	\$1,000.. 80 642
Work-in-process inventories .....	\$1,000.. 8 433
Materials and supplies inventories .....	\$1,000.. 33 410
Total inventories, end of year .....	\$1,000.. 142 677
Finished goods inventories .....	\$1,000.. 99 264
Work-in-process inventories .....	\$1,000.. 8 622
Materials and supplies inventories .....	\$1,000.. 34 791
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 671 526
Total capital expenditures (new and used) .....	\$1,000.. 71 051
Buildings and other structures (new and used) .....	\$1,000.. 22 404
Machinery and equipment (new and used) .....	\$1,000.. 48 647
Automobiles, trucks, etc., for highway use .....	\$1,000.. 1 607
Computers and peripheral data processing equipment .....	\$1,000.. 3 320
All other expenditures for machinery and equipment .....	\$1,000.. 43 720
Total retirements .....	\$1,000.. 25 663
Gross value of depreciable assets at end of year .....	\$1,000.. 716 914
Depreciation charges during year .....	\$1,000.. 40 102
Total rental payments .....	\$1,000.. 12 296
Buildings and other structures .....	\$1,000.. 7 163
Machinery and equipment .....	\$1,000.. 5 133
Total other expenses <sup>4</sup> .....	\$1,000.. 38 461
Response coverage ratio <sup>5</sup> .....	percent.. 61
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 6 174
Communications services <sup>4</sup> .....	\$1,000.. 460
Legal services <sup>4</sup> .....	\$1,000.. 832
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 368
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 994
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. D
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 989
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. D
Taxes and license fees <sup>4</sup> .....	\$1,000.. 2 045
All other expenses <sup>4</sup> .....	\$1,000.. 25 755

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
311823, Dry pasta manufacturing											
All establishments .....	3	193	3 702	137 740	2 853	5 941	93 445	632 211	881 707	1 495 107	71 051
Establishments with—											
1 to 4 employees .....	9	122	241	8 112	177	355	5 417	31 997	38 022	70 015	3 605
5 to 9 employees .....	8	16	101	3 773	74	158	2 588	15 035	14 742	29 743	1 396
10 to 19 employees .....	7	24	318	10 170	241	458	7 100	34 668	36 921	71 510	3 023
20 to 49 employees .....	7	11	356	11 823	287	594	8 464	48 242	69 831	118 007	5 157
50 to 99 employees .....	—	12	835	30 407	653	1 250	22 029	144 987	198 079	342 684	32 523
100 to 249 employees .....	4	5	927	39 333	725	1 584	27 282	206 964	305 912	503 021	12 740
250 to 499 employees .....	3	3	924	34 122	696	1 542	20 565	150 318	218 200	360 127	12 607
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	118	250	8 240	185	371	5 637	33 662	40 512	74 173	3 810

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
311823	Dry pasta manufacturing .....	193	3 702	137 740	2 853	5 941	93 445	632 211	881 707	1 495 107	71 051
3118230	Dry macaroni, spaghetti and egg noodle products, mitte (except canned or frozen) .....	193	3 702	137 740	2 853	5 941	93 445	632 211	881 707	1 495 107	71 051

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311823	Dry pasta manufacturing .....	2002.. N 1997.. N	X X	X X	1 748 520 1 627 289
3118230	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen) .....	2002.. N 1997.. N	X X	X X	1 748 520 1 627 289
31182301	Dry macaroni, spaghetti, vermicelli, and other pasta products (water content less than 14 percent), mitse .....	2002.. N 1997.. N	X X	X X	1 120 874 D
3118230111	Dry macaroni, spaghetti, vermicelli, and other pasta products, except noodles, (water content less than 14 percent), mitse .....	2002.. 22 1997.. 29	X X	S D	1 104 959 D
3118230121	Dry noodle products of all shapes, sizes, and types, mitse, except Chinese noodles (water content of less than 14 percent) .....	2002.. 7 1997.. N	X X	P28.2 N	15 915 N
31182302	Dry macaroni and noodle products packaged with other purchased ingredients, not canned or frozen .....	2002.. N 1997.. N	X X	X X	218 040 D
3118230211	Dry (water content less than 14 percent) macaroni, spaghetti, vermicelli, and other macaroni products, mitse, packaged with other purchased ingredients, not canned or frozen .....	2002.. 7 1997.. N	X X	D D	D D
3118230231	Dry (water content less than 14 percent) noodle products of all shapes, sizes, and types (except Chinese), mitse, packaged with other purchased ingredients, not canned or frozen .....	2002.. 7 1997.. N	X X	D D	D D
3118230Y	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen), nsk .....	2002.. N 1997.. N	X X	X X	409 606 163 909
3118230YWW	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen), nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	338 037 42 029
3118230YWY	Dry macaroni, spaghetti and egg noodle products, mitse (except canned or frozen), nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	71 569 121 880

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311823	Dry pasta manufacturing		
00900001	Total materials .....2002..	X	840 185
	.....1997..	X	654 760
31121113	Wheat flour, other (including farina) ..... 1,000 cwt..2002..	D	D
	.....1997..	q431.5	5 069
31121107	Wheat flour, semolina and durum ..... 1,000 cwt..2002..	S	407 324
	.....1997..	20 391.0	294 045
31100019	Fats and oils, all types, purchased ..... mil lb..2002..	D	D
	.....1997..	N	N
11100011	All other fresh vegetables (excluding cucumbers, corn, and white potatoes) ..... 1,000 s tons..2002..	D	D
	.....1997..	N	N
31142309	Vegetables, dried (excluding potatoes and corn) .....2002..	X	10 227
	.....1997..	X	N
11121100	White potatoes ..... 1,000 s tons..2002..	D	D
	.....1997..	N	N
31122101	Corn syrup ..... mil lb..2002..	D	D
	.....1997..	N	N
31131001	Sugar, cane and beet (sugar solids) ..... 1,000 s tons..2002..	D	D
	.....1997..	N	N
001900A1	Packaging paper and plastics film, coated and laminated .....2002..	X	26 462
	.....1997..	X	43 612
001900A3	Bags (plastics, foil, and coated paper) .....2002..	X	5 980
	.....1997..	X	12 391
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	120 924
	.....1997..	X	62 230
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	113 104
	.....1997..	X	147 406
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	103 731
	.....1997..	X	90 007

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.